

# Vennila Suriyagandhi



BIOCHEMIST AND BIOINFORMATICIAN

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## Profile

Ph.D in Biochemistry., Specialized in Obesity, Leptin Resistance and Sleep Medicine (Melatonin signaling).


## Qualifications

Ph.D in Biochemistry

 Oct 2016-Sept 2022


 Bharathidasan University, India

M.Phil in Biochemistry

 2009 - 2010

 Bharathidasan University, India

PG Diploma in Bioinformatics

 2007 - 2008


 Bharathidasan University, India

M.Sc in Biochemistry

 2006 - 2008

 Bharathidasan University, India


B.Sc in Biochemistry


 2003 - 2006

 Bharathidasan University, India


## Thesis Completed

Ph.D Thesis: Therapeutic Role of Melatonin on Obesity Including Leptin Resistance

 Oct 2016-Sept 2022

 Bharathidasan University, India

M.Phil Thesis: Effect of N-N' Dimethyl formamide on RBC membrane phospholipids and in silico analysis of Secretary Phospholipase A2

 2009 - 2010

 Bharathidasan University, India

M.Sc Thesis: Isolation of IgG subclass from milk, using immobilized egg yolk antibodies

 2006 - 2008

 Bharathidasan University, India

## Skills


Wet Lab:

Animal Cell culture and differentiation, qPCR, ELISA, Western Blotting, Fluorescent Staining, Thin layer chromatography.

Bioinformatics:

R language, Cytoscape (Network analysis), Docking by Autodock.

## Experience

 Oct 2016- Oct 2019: Principal Investigator in a project entitled “**Effect of Melatonin on Leptin signalling pathway during obesity and leptin resistant condition in mouse adipose and hypothalamic cell line**” funded by Department of Science and Technology, Government India under Women Scientist Scheme- A (DST-WOS-A). Bharathidasan University, India.

## Publications

1. Suriyagandhi V et al., Front Endocrinol. 2022. <https://www.frontiersin.org/articles/10.3389/fendo.2022.927576/full>
2. Suriyagandhi V et al., Behav.Brain Res. 2022. <http://doi.org/10.1016/j.bbr.2021.113598>

## Interests

Cooking:  
Indian Cuisine

Bike Riding:  
Long drive